

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER MCELMO CR N-16					
2. TYPE OF WORK DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input type="radio"/> DEEPEN WELL <input checked="" type="radio"/>						3. FIELD OR WILDCAT GREATER ANETH					
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME MCELMO CREEK					
6. NAME OF OPERATOR RESOLUTE NATURAL RESOURCES						7. OPERATOR PHONE 303 534-4600					
8. ADDRESS OF OPERATOR 1675 Boradway Ste 1950, Denver, CO, 80202						9. OPERATOR E-MAIL pflynn@resoluteenergy.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420603372				11. MINERAL OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input checked="" type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>				12. SURFACE OWNERSHIP FEDERAL <input type="radio"/> INDIAN <input checked="" type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>			
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Shiprock				18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>				19. SLANT VERTICAL <input checked="" type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input type="radio"/>			

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	659 FSL 790 FWL	SWSW	5	41.0 S	25.0 E	S
Top of Uppermost Producing Zone	659 FSL 790 FWL	SWSW	5	41.0 S	25.0 E	S
At Total Depth	659 FSL 790 FWL	SWSW	5	41.0 S	25.0 E	S

21. COUNTY SAN JUAN		22. DISTANCE TO NEAREST LEASE LINE (Feet) 659		23. NUMBER OF ACRES IN DRILLING UNIT 40	
		25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1500		26. PROPOSED DEPTH MD: 5676 TVD: 5676	
27. ELEVATION - GROUND LEVEL 4697		28. BOND NUMBER B001263		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE lease produced water	

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.675	0 - 1420	24.0	K-55 Casing/Tubing	0.0	Class B	800	0.0	0.0
Prod	7.875	5.5	0 - 5569	15.5	K-55 Casing/Tubing	0.0	Class B	250	0.0	0.0

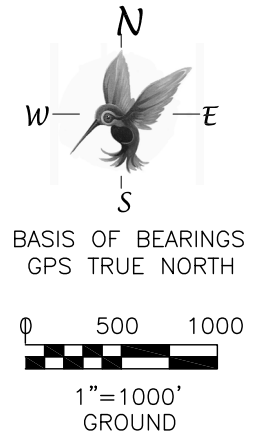
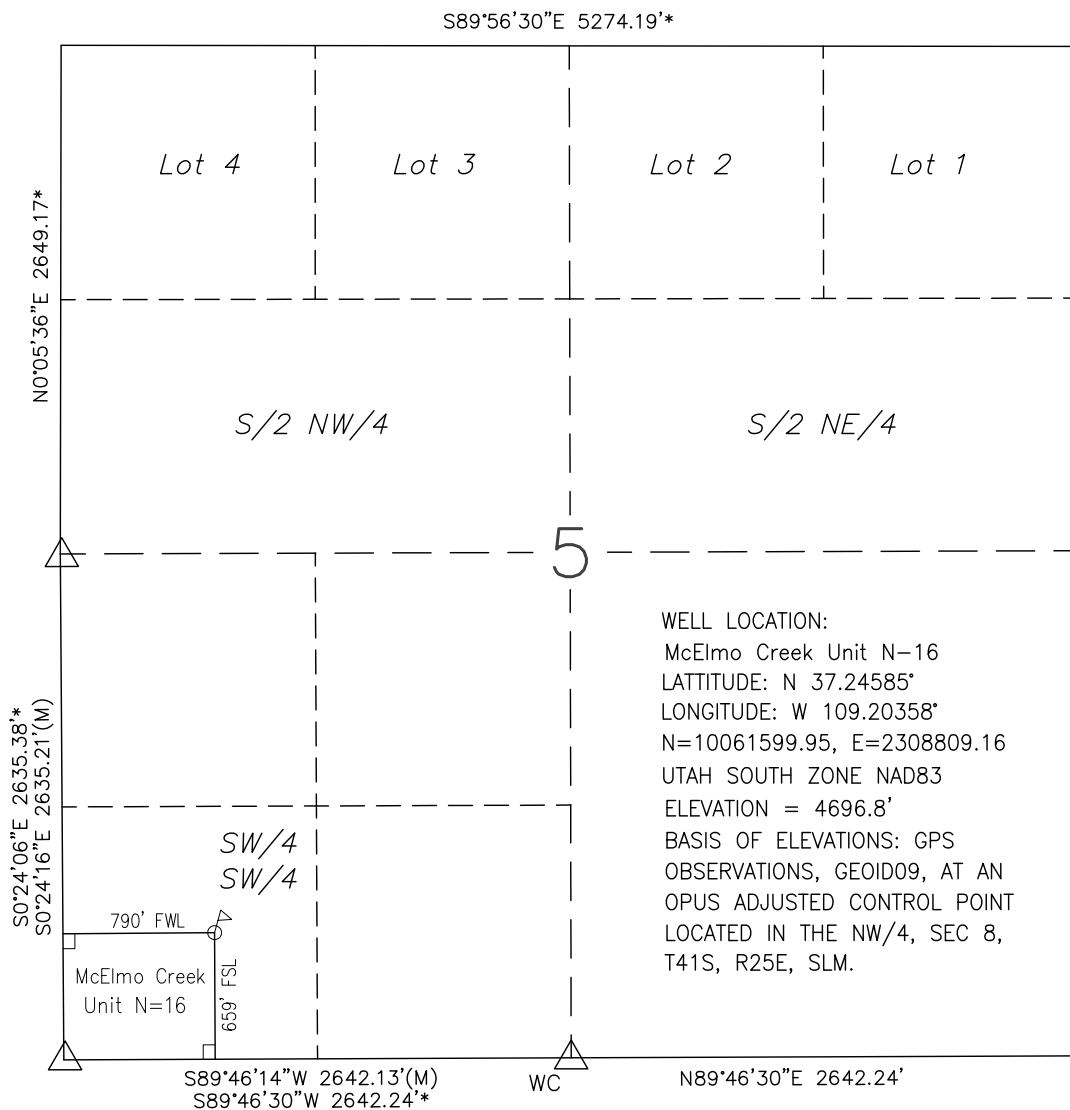
ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE) <input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP
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NAME Sherry Glass	TITLE Sr Regulatory Technician	PHONE 303 573-4886
SIGNATURE	DATE 09/20/2012	EMAIL sglass@resoluteenergy.com
API NUMBER ASSIGNED 43037302770000	APPROVAL <div style="text-align: center;"> Permit Manager </div>	

Well Location - McElmo Creek Unit N-16



WELL LOCATION:
McElmo Creek Unit N-16
LATITUDE: N 37.24585°
LONGITUDE: W 109.20358°
N=10061599.95, E=2308809.16
UTAH SOUTH ZONE NAD83
ELEVATION = 4696.8'
BASIS OF ELEVATIONS: GPS
OBSERVATIONS, GEOID09, AT AN
OPUS ADJUSTED CONTROL POINT
LOCATED IN THE NW/4, SEC 8,
T41S, R25E, SLM.

LEGEND:

- △ FND USBLM 3-1/4"
BC DATED 2004
- L 90° TIE
- (M) MEASURED
- * RECORD
- △ WELL LOCATION

I, Gerald G. Huddleston, do hereby certify that I am a registered Utah land surveyor holding certificate number 161297 as prescribed under the laws of the State of Utah, and I further certify that under authority of the owner I have surveyed the well location as shown hereon and that the same is correct and true to the best of my knowledge and belief.

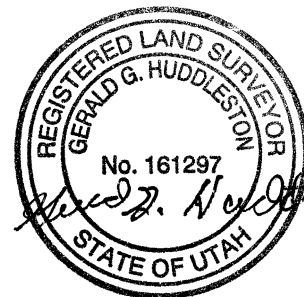


EXHIBIT A

FOOTAGE: 659' FSL 790' FSL	RESOLUTE NATURAL RESOURCES		
SEC 5, T41S, R25E, SLM, SAN JUAN COUNTY, UT			
LAT: N 37.24585° LON: W 109.20358° (NAD83)	SURVEYED: 08/28/12		
ELEVATION: 4696.8' at top of bottom flange (NAVD88)	DRAWN BY: GEL	DATE: 08/30/12	
NOTE: Re-entry of existing well.	REVISION:		

HUMMINGBIRD SURVEYING, LLC --- P.O. Box 416 Montezuma Creek, UT 84534 --- 970-570-5108